CLAIMS

Therefore, having thus described the invention, at least the following is claimed:

1. An effervescent compound comprising:

a liquid ingredient in an amount of up to approximately 50% by weight of the compound; and

expanded anhydrous sodium perborate.

2. The effervescent compound of claim 1, further including an effervescent system in an amount of up to approximately 50% by weight of the compound.

3. The compound of claim 2, wherein the effervescent system comprises:

an acid and one or more of sodium bicarbonate; potassium bicarbonate; sodium carbonate and potassium carbonate.

4. The compound of claim 1, wherein the expanded anhydrous sodium perborate is made from the process of dehydration of sodium perborate monohydrate.

5. The compound of claim 1, wherein the liquid is a solvent.

6. The compound of claim 5, wherein the solvent comprises a glycol.

7. The compound of claim 5, wherein the solvent comprises an alcohol.

8. The compound of claim 5, wherein the solvent comprises a glycol ether.

9. The compound of claim 8, wherein the solvent comprises 2-butoxyethanol.

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10. The compound of claim 1, further comprising a bleaching compound.

11. The compound of claim 1, further comprising an anti-redeposition agent.

12. The compound of claim 1, further comprising a binder.

13. The compound of claim 1, further comprising a lubricant.

14. The compound of claim 1, further comprising a color.

15. The compound of claim 1, further comprising an optical brightener.

16. The compound of claim 1, further comprising a fragrance.

17. The compound of claim 1, further comprising a surfactant.

18. The compound of claim 17, wherein the surfactant is selected from the group consisting of: synthetic anionic surfactants which are generally water-soluble; alkali metal salts of organic sulfates and sulfonates; non-ionic surfactants which are generally the reaction products of alkylene oxide with alkyl phenol or primary or secondary alcohols; amine oxides; phosphine oxides; dialkyl sulphoxides; amphoteric surfactants; zwitterionic surfactants; and soaps.

19. A method for making an effervescent compound comprising the steps of:

providing a liquid ingredient in an amount up to approximately 50% by weight of the compound;

providing a liquid ingredient;

providing a carrier for the liquid ingredient;

mixing the liquid ingredient with the carrier for the liquid ingredient, thereby producing a free-flowing effervescent compound.

20. The method of claim 19, wherein the step of providing a liquid ingredient comprises:

providing a solvent that is both hydrophilic and has low solubility with effervescent ingredients in an amount up to approximately 50% by weight of the compound;

providing a slow dissolving ingredient;

mixing the solvent with the slow dissolving ingredient to form a liquid ingredient mixture.

21. The method of claim 20, wherein the step of providing a slow dissolving ingredient comprises providing a slow dissolving ingredient comprising a liquid ingredient having a boiling point lower than the solvent, and

further comprising the step of distilling the liquid ingredient mixture to remove the liquid ingredient having a boiling point lower than the solvent.

22. The method of claim 19, further comprising the steps of:

compressing the effervescent compound; and

forming granules of the effervescent compound.

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23. The method of claim 19, further comprising the steps of:
compressing the effervescent compound; and
forming a tablet from the effervescent compound.

24. The method of claim 19, wherein step of providing a liquid ingredient comprises providing a solvent.

25. The method of claim 24, wherein step of providing a solvent comprises providing a glycol ether.

26. The method of claim 25, wherein the step of providing a glycol ether comprises providing 2-butoxyethanol.

27. The method of claim 24, wherein the step of providing a solvent comprises providing an alcohol.

28. The method of claim 24, wherein the step of providing a solvent comprises providing an glycol.

29. The method of claim 19, further comprising the step of providing an effervescent system.

30. The method of claim 29, further comprising the step of mixing the effervescent system with the free flowing powder resulting after the step of mixing the liquid ingredient mixture with the carrier for the liquid ingredient mixture.

31. The method of claim 29, wherein the step of providing an effervescent system comprises providing expanded anhydrous sodium perborate.

32. The method of claim 29, wherein the step of providing an effervescent system comprises providing an acid and one or more of sodium bicarbonate, sodium carbonate, potassium bicarbonate and potassium carbonate.

33. The method of claim 19, wherein the step of providing a carrier for the liquid ingredients comprises the step of providing expanded anhydrous sodium perborate.

34. The method of claim 19, wherein the step of providing a carrier for the liquid ingredients comprises the step of providing expanded anhydrous sodium perborate produced from the process of dehydration of sodium perborate monohydrate.

35. A detergent comprising:

a liquid ingredient in an amount of up to approximately 50% by weight of the compound; and

expanded anhydrous sodium perborate.

36. The detergent of claim 34, wherein the detergent is a laundry detergent.

37. The detergent of claim 34, wherein the detergent is granular.

38. The detergent of claim 34, wherein the detergent is a tablet.

39. A carpet cleaner comprising:

a liquid ingredient in an amount of up to approximately 50% by weight of the compound; and

expanded anhydrous sodium perborate.

40. The carpet cleaner of claim 38, wherein the carpet cleaner is granular.

41. The carpet cleaner of claim 38, wherein the carpet cleaner is a tablet.

42. The carpet cleaner of claim 38, wherein the carpet cleaner is between approximately 25 and approximately 100 grams, and wherein the carpet cleaner further comprises approximately one gallon of water, to form a carpet cleaning solution.

43. An all-purpose cleaner comprising:

a liquid ingredient in an amount of up to approximately 50% by weight of the compound; and

expanded anhydrous sodium perborate.

44. The all-purpose cleaner of claim 42, wherein the all-purpose cleaner is granular.

45. The all-purpose cleaner of claim 42, wherein the all-purpose cleaner is a tablet.

46. The all-purpose cleaner of claim 42, wherein the all-purpose cleaner is between approximately 10 and approximately 40 grams, and wherein the all-purpose cleaner further comprises approximately 1 liter of water, to form an all-purpose cleaning solution.

47. A glass cleaner comprising:

a liquid ingredient in an amount of up to approximately 50% by weight of the compound; and

expanded anhydrous sodium perborate.

48. The glass cleaner of claim 46, wherein the glass cleaner is granular.

49. The glass cleaner of claim 46, wherein the glass cleaner is a tablet.

50. The glass cleaner of claim 46, wherein the glass cleaner is between approximately seven and approximately 30 grams, and wherein the glass cleaner further comprises approximately one liter of water, to form a glass cleaning solution.